

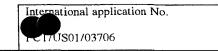
INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's o 200701/1062	r agent's file reference	FOR FURTHER ACTION		cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5			
International application No. PCT/US01/03706		International filing date (day/month/year) 02 February 2001 (02.02.2001)		(Earliest) Priority Date (day/month/year) 02 February 2000 (02.02.2000)			
Applicant ADVANCED BIOANALYTICAL SERVICES, INC.							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.							
This international search report consists of a total of 4 sheets. It is also accompanied by a copy of each prior art document cited in this report.							
 Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 							
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:							
	contained in the international	al application in written form.					
	filed together with the international application in computer readable form.						
	furnished subsequently to this Authority in written form.						
furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.							
2. Certain claims were found unsearchable (See Box I).							
3. With re	Unity of invention is lacking (See Box II). egard to the title,						
	the text is approved as subm	nitted by the applicant.					
		by this Authority to read as follo	ws:				
5. With regard to the abstract,							
	the text is approved as submitted by the applicant.						
	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.						
6. The figu	ure of the drawings to be pul	blished with the abstract is Figure	No.	S-7			
	as suggested by the applican	ıt.		None of the figures			
	because the applicant failed	to suggest a figure.					
	because this figure better ch	aracterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)





Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)					
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:					
3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet					
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite					
payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:					
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-20					
Remark on Protest The additional search fees were accompanied by the applicant's protest.					
No protest accompanied the payment of additional search fees.					

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)



A. CLASSIFICATION OF SUBJECT MATTER						
IPC(7) : C12Q 1/68 US CL : 435/6						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols)						
U.S.: 435/6, 91.1, 91.2, 183; 536/23.1, 24.3, 24.33						
		\Box				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (n	ame of data base and, where practicable, search terms used)					
Please See Continuation Sheet	ame of data base and, whose practication, season terms asca,					
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category * Citation of document, with indication, where	appropriate, of the relevant passages Relevant to claim No.	\dashv				
X ROSS, P.L. et al. Discrimination of Single-Nucle		\neg				
Using Peptide Nucleic Acid Probes Detected by M Analytical Chemistry. October 1997. Volume 69,	AALDI-TOF Mass Spectrometry. pages 4197-4202, see entire document.					
X US 5,965,363 A (MONFORTE et al.) 12 October						
12, lines 19-55; column 21, line 44, bridging to c						
		- 1				
		- 1				
	·	-				
		- 1				
χ:						
	*	1				
		1				
		一				
Further documents are listed in the continuation of Box C.						
* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the	ıe				
"A" document defining the general state of the art which is not considered to be of particular relevance	principle or theory underlying the invention					
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	,				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as	"Y" document of particular relevance; the claimed invention cannot be					
specified)	considered to involve an inventive step when the document is combined with one or more other such documents, such combination	ļ				
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art	- 1				
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family					
Date of the actual completion of the international search	Date of mailing of the international search report					
18 April 2001 (18.04.2001)						
Name and mailing address of the ISA/US	Authorized officer YERRY J. DEY	\exists				
Commissioner of Patents and Trademarks	Bradley L. Sisson PARALEGAL SPECIALIST FORMULOGY CENTER 1809	/				
Box PCT Washington, D.C. 20231	IECHMOTOGI CEMITI 1000					
Facsimile No. (703)305-3230	Telephone No. (703) 308-0196					

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-20, drawn to a method to detect single nucleotide polymorphisms.

Group II, claim(s) 21-31 and 35-44, drawn to an electrospray system; and claims 32-34 and 45-47, drawn to a system for processing droplets/sprays of fluid.

Group III, claim(s) 48-53, drawn to a composition.

The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Neither the method of Group II or the composition of Group III requires the electrospray of Group II.

Continuation of B. FIELDS SEARCHED Item 3: EAST

Search terms: MALDI-TOF, electrospray, mass spec, snp, single nucleotide polymorphism!